

EDUCATION AND TRAINING

- [01/04/2022 – 28/03/2025] **Doctor of Philosophy (PhD)**
Sapienza University of Rome
Address: P.le Aldo Moro, 5 00185 Rome, Italy | **Field(s) of study:** Genetics and Molecular Biology | **Thesis:** Generation of plants with high germination potential
- [31/08/2017 – 29/12/2019] **Master of Philosophy (MPhil)**
Hazara University
Address: 21140, Mansehra, Pakistan | **Field(s) of study:** genetics | **Final grade:** 86 %
| **Thesis:** Screening Pakistani Healthy Individuals for Copy Number Variations
- [14/08/2013 – 16/08/2017] **Bachelor of Sciences (BS Hons)**
Hazara University
Address: 21140, Mansehra, Pakistan | **Field(s) of study:** Genetics | **Final grade:** 81%
| **Thesis:** Screening Pakistani Individuals for Mutations associated with Cancer

PUBLICATIONS

- [2025] [**A DOF transcriptional repressor-gibberellin feedback loop plays a crucial role in modulating light-independent seed germination**](#)
Reference: Lepri, A., Kazmi, H., et al 2025. A DOF transcriptional repressor-gibberellin feedback loop plays a crucial role in modulating light-independent seed germination. Plant Communications.a
- [2024] [**When Size Matters: New Insights on How Seed Size Can Contribute to the Early Stages of Plant Development**](#)
Reference: Boccaccini, A., Cimini, S., Kazmi, H., Lepri, A., Longo, C., Lorrai, R., & Vittorioso, P. (2024). When size matters: New insights on how seed size can contribute to the early stages of plant development. Plants, 13(13), 1793.
- [2023] [**Plants and Small Molecules: An Up-and-Coming Synergy**](#)
- [2022] [**Omics Technologies for Clinical Diagnosis and Gene Therapy: Medical Applications in Human Genetics**](#)

CONFERENCES AND SEMINARS

- [15/07/2024 – 19/07/2024] **The International Conference on Arabidopsis Research (ICAR)** San Diego, California, USA
Presented a short talk on my PhD project
- [03/07/2023 – 07/07/2023] **The 14th ISSS biennial conference "Challenges of seed science in a changing world"**
Sorbonne University, Paris, France
Poster Presentation
- [15/10/2019 – 17/10/2019] **First International Conference on Recent Updates in Biotechnology** Islamabad, Pakistan

Oral Presentation

[26/09/2017 – 28/09/2017] **National Conference on Emerging Trends in Bioinformatics** Mansehra

Oral Presentation

[27/09/2017 – 29/09/2017] **4th Conference on Computational Biology and Genomics** Mansehra, Pakistan

Organizer, oral presenter and participant

HONOURS AND AWARDS

[17/10/2023] **Scientific Exchange Grant Awarding institution:** EMBO

EMBO Scientific Exchange Grant

Certificates

1. Science Communication Skills
2. Bio Entrepreneurship
3. Conference on Computational Biology
4. First International Conference on Emerging Trends in Bioinformatics and Biosciences
5. Biosafety and Biosecurity
6. Commonwealth100 - the Open Source Leadership course
7. First International Conference on recent updates in Biotechnology
8. Workshop on Communication Skills
9. Women's Leadership Conference, Breaking Barriers: Women's Path to Independence
10. Honorable mention in the UN Competition on forced labour
11. Introduction to ML/DL and to Pytorch
12. Statistics for Biologists course

[08/06/2022] **Honorable mention Awarding institution:** International Labours Organisation

RESEARCH EXPERIENCE

[30/08/2023 – 31/01/2024] **Visiting Research Scholar**

University of Cambridge, UK

Visiting student working in the group of Alexander Jones in Sainsbury Laboratory to study the gibberellins and abscisic acid patterns and dynamics during seed germination by using FRET based biosensors.

[30/09/2021 – 30/11/2021] **Research Intern**

: National Institute of Genomics and Advanced Biotechnology, Islamabad, Pakistan

: Molecular biology and biotechnological techniques

[29/01/2017 – 27/02/2017] **Research Trainee**

Hazara University Mansehra, Pakistan

: Molecular studies of different genetic disorders

SKILLS

FRET Microscopy | Fluorescence and confocal microscopy | DNA & RNA techniques (PCR, qPCR, etc.) | Ultra Performance Liquid Chromatography (UPLC) | Lipids, carbohydrates, proteins, chlorophylls, and carotenoids determination | Microsoft Office | Freticator | Good Communication and Writing Skills | Seed selection | Gene Cloning (Designing Plasmid Vector, Transformation, Colony Screening)